

Abstract

Scalable Video Transmissions

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A method (800) for improving a quality of a scalable video object plane enhancement layer transmission over an error-prone network. The enhancement layer transmission includes at least one re-synchronisation marker followed
10 by a Video Packet Header and header extensions. A reference VOPs' identifier (e.g. 'ref_select_code') is replicated from the video object plane header into a number of enhancement layer header extensions (715). An error corrupting the reference VOPs' identifier is
15 recovered (830, 840, 850, 860) by decoding a correct reference VOP's identifier from subsequent enhancement layer header extensions. Correct reference video object planes are identified (870, 880) to be used in a reconstruction of an enhancement layer video object plane
20 in the scalable video transmission.

This improves the error performance in an enhancement layer of video transmissions over wireless channels and the Internet where the errors can be severe.

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Fig. 7